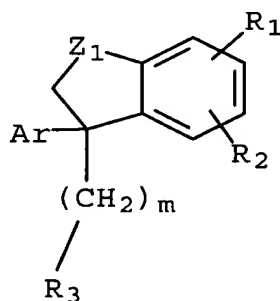


**CLAIM SUMMARY DOCUMENT:**

Claims 1-59. (Canceled)

61 Claim 60. (Currently Amended) A method for ~~inhibiting the proliferation of cancer cells in a subject inflicted with cancer, said method comprising administering to said subject, for a time and under conditions effective to exert an agonist or antagonist activity on the retinoic acid receptor, in an amount effective to treat said cancer;~~ the treatment of cancer, comprising administering to an individual in need of said treatment, for such time as required to elicit an anti-cancer effect, a thus effective amount of at least one compound having the formula (I) below:

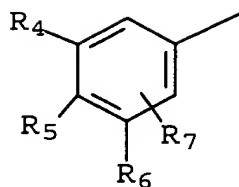


(I)

in which:

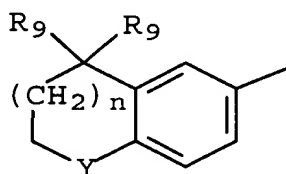
Ar represents

the radical of formula (II) below:



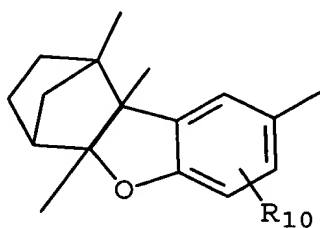
(II)

or the radical of formula (III) below:



(III)

or the radical of formula (IV) below:



(IV)

R<sub>1</sub> represents an atom or a radical selected from the group consisting

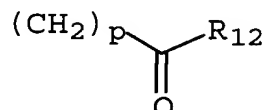
of:

- (i) a -CH<sub>3</sub> radical,

(ii) a radical  $-(CH_2)_p-O-R_{11}$ ,

(iii) a radical  $-OR_{11}$ ,

(iv) a radical



and

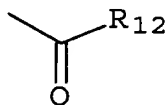
(v) a radical  $-S(O)_lR_{13}$ ,

$R_2$  represents a hydrogen atom, a halogen atom, an alkyl radical or the radical  $-OR_{11}$ ,

$R_3$  represents an atom or a radical selected from the group consisting of:

(i) an atom or a radical selected from the group consisting of a hydrogen atom, an alkyl radical, an alkenyl radical, an alkynyl radical, an aryl radical, a monohydroxyalkyl radical, a polyhydroxyalkyl radical, a polyether radical, a cyano radical and a radical  $-O-R_{11}$ ,

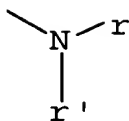
(ii) a radical



and

(iii) a radical

G1  
Cont.



G1  
conf.  
 $Z_1$  represents O, S or  $NR'$ ,

$m$  is an integer between 0 and 10,

$R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  are identical or different and are selected from the group consisting of:

(i) a hydrogen atom,  
(ii) an alkyl radical having at least 4 carbon atoms, wherein the carbon attached to the phenyl radical is substituted with at least two carbon atoms,

- (iii) a cycloalkyl radical,  
(iv) a radical  $-(Z_2)_n-(CH_2)_q-CO-R_{12}$ , and  
(v) a radical  $-Z_3-R_{11}$ ,

wherein at least one of the radicals  $R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  is an alkyl radical as defined in (ii) or a cycloalkyl radical (iii),

$R_8$  and  $R_9$  represent lower alkyl radicals,

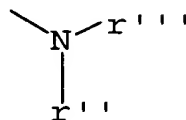
$R_{10}$  represents a lower alkyl radical, a radical  $-OR_{11}$  or a polyether radical,

$R_{11}$  represents a hydrogen atom, a lower alkyl radical, an aryl radical, an aralkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, a polyether radical or a lower acyl radical,

$R_{12}$  represents:

(a) a hydrogen atom, an alkynyl radical, an alkenyl radical, an alkyl radical or a heterocycle,

(b) a radical



(c) a radical  $-OR_{13}$ ,

$R_{13}$  represents a hydrogen atom, an alkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, an optionally substituted aryl or aralkyl radical or a sugar, amino acid or peptide residue,

$R'$  represents a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue,

$r$  and  $r'$ , which are identical or different, represent a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

$r''$  and  $r'''$ , which are identical or different, represent a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

Y represents  $C(R_9)_2$ , O, S,  $Nr'$ , CHOH, CO, SO or  $SO_2$ ,

$Z_2$  represents O, S or  $NR'$ ,

$Z_3$  represents O or S,

n is equal to 0 or 1;

p is equal to 0, 1, 2 or 3;

t is equal to 0, 1, 2 or 3; and

q is an integer between 0 and 10,

or a salt or isomer thereof.

61  
conclude

---

Claim 61. (Previously Added) A method according to Claim 60, wherein said at least one compound having formula (I) has at least one characteristic selected from the group consisting of:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

Y is a radical  $C(R_9)_2$ , and

m is equal to 1.

Claim 62. (Previously Added) A method according to Claim 60, wherein said at least one compound having formula (I) has all of the following characteristics:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

$Y$  is a radical  $C(R_9)_2$ , and

$m$  is equal to 1.

Claim 63. (Previously Added) A method according to Claim 60, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylic acid,



methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylate,

3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate.

[3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofur-5-oyl]morpholine,

N-4-hydroxyphenyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-5-carboxamide,

N-butyl-3-methyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-5-carboxamide,

methyl 3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2H-1-benzofuran]-6-carboxylate,

3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2H-1-benzofuran]-6-carboxylic acid,

methyl 3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-6-carboxylate,

3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-6-carboxylic acid,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-tert-butyl-4-hydroxybenzyl)-2H-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-methanol,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carbaldehyde,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2*H*-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-hexyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-methoxycarbonylmethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate, and

3-carboxymethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid.

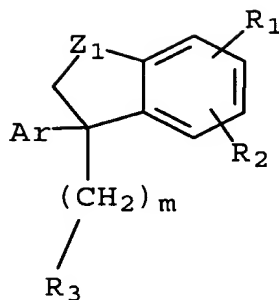
Claim 64. (Previously Added) A method according to Claim 63, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2H-1-benzofuran-6-carboxylic acid,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid, and

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid.

62 Claim 65. (Currently Amended) A method for inhibiting the proliferation of dermal or epidermal cells in a subject inflicted with a disorder of proliferation of dermal or epidermal cells, said method comprising administering to said subject, for a time and under conditions effective to exert an agonist or antagonist activity on the retinoic acid receptor, in an amount effective to treat said disorder; the treatment of a disorder of proliferation of dermal or epidermal cells, comprising administering to an individual in need of said treatment, for such period of time as required to elicit the an anti-proliferative effect, a thus effective amount of at least one compound having the formula (I) below:

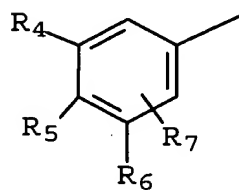


(I)

in which:

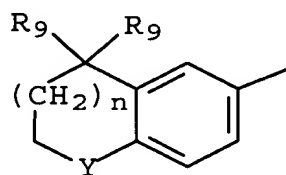
Ar represents

the radical of formula (II) below:



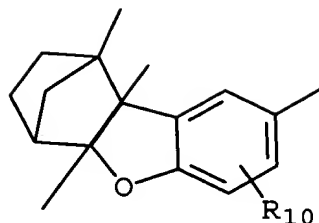
(II)

or the radical of formula (III) below:



(III)

or the radical of formula (IV) below:

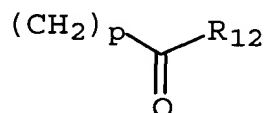


(IV)

$R_1$  represents an atom or a radical selected from the group consisting

of:

- (i) a  $-CH_3$  radical,
- (ii) a radical  $-(CH_2)_p-O-R_{11}$ ,
- (iii) a radical  $-OR_{11}$ ,
- (iv) a radical



and

- (v) a radical  $-S(O)_l R_{13}$ ,

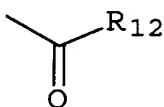
$R_2$  represents a hydrogen atom, a halogen atom, an alkyl radical or the radical  $-OR_{11}$ ,

$R_3$  represents an atom or a radical selected from the group consisting

of:

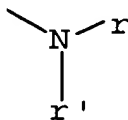
(i) an atom or a radical selected from the group consisting of a hydrogen atom, an alkyl radical, an alkenyl radical, an alkynyl radical, an aryl radical, a monohydroxyalkyl radical, a polyhydroxyalkyl radical, a polyether radical, a cyano radical and a radical  $-O-R_{11}$ ,

(ii) a radical



and

(iii) a radical



$Z_1$  represents O, S or  $\text{NR}'$ ,

m is an integer between 0 and 10,

$R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  are identical or different and are selected from the group consisting of:

- (i) a hydrogen atom,
- (ii) an alkyl radical having at least 4 carbon atoms, wherein the carbon attached to the phenyl radical is substituted with at least two carbon atoms,
- (iii) a cycloalkyl radical,
- (iv) a radical  $-(Z_2)_n-(\text{CH}_2)_q-\text{CO}-R_{12}$ , and
- (v) a radical  $-Z_3-R_{11}$ ,

62  
cont.

wherein at least one of the radicals  $R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  is an alkyl radical as defined in (ii) or a cycloalkyl radical (iii),

$R_8$  and  $R_9$  represent lower alkyl radicals,

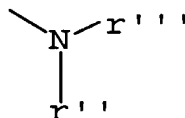
$R_{10}$  represents a lower alkyl radical, a radical  $-OR_{11}$  or a polyether radical,

$R_{11}$  represents a hydrogen atom, a lower alkyl radical, an aryl radical, an aralkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, a polyether radical or a lower acyl radical,

$R_{12}$  represents:

(a) a hydrogen atom, an alkynyl radical, an alkenyl radical, an alkyl radical or a heterocycle,

(b) a radical



(c) a radical  $-OR_{13}$ ,

$R_{13}$  represents a hydrogen atom, an alkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, an optionally substituted aryl or aralkyl radical or a sugar, amino acid or peptide residue,

$R'$  represents a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue,

r and r', which are identical or different, represent a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

*G2 conclude*  
r'' and r''', which are identical or different, represent a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

Y represents  $C(R_9)_2$ , O, S,  $Nr'$ , CHOH, CO, SO or  $SO_2$ ,

$Z_2$  represents O, S or  $NR'$ ,

$Z_3$  represents O or S,

n is equal to 0 or 1;

p is equal to 0, 1, 2 or 3;

t is equal to 0, 1, 2 or 3; and

q is an integer between 0 and 10,

or a salt or isomer thereof.

---

Claim 66. (Previously Added) A method according to Claim 65, wherein said at least one compound having formula (I) has at least one characteristic selected from the group consisting of:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,



$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

$Y$  is a radical  $C(R_9)_2$ , and

$m$  is equal to 1.

Claim 67. (Previously Added) A method according to Claim 65, wherein said at least one compound having formula (I) has all of the following characteristics:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

$Y$  is a radical  $C(R_9)_2$ , and

$m$  is equal to 1.

Claim 68. (Previously Added) A method according to Claim 65, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylate,

3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate.

[3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofur-5-oyl]morpholine,

N-4-hydroxyphenyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-5-carboxamide,

N-butyl-3-methyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-5-carboxamide,

methyl 3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2H-1-benzofuran]-6-carboxylate,

3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2*H*-1-benzofuran]-6-carboxylic acid,

methyl 3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-methanol,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carbaldehyde,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2H-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2H-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-hexyl-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methoxycarbonylmethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylate, and

3-carboxymethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid.

Claim 69. (Previously Added) A method according to Claim 68, wherein said at least one compound having formula (I) is selected from the group consisting of:

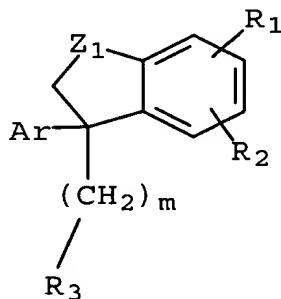
3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2H-1-benzofuran-6-carboxylic acid,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid, and

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid.

63  
Claim 70. (Currently Amended) A method for ~~inhibiting the proliferation~~

~~of keratinocytes in a subject inflicted with a disorder of proliferation of keratinocytes,~~  
~~said method comprising administering to said subject, for a time and under~~  
~~conditions effective to exert an agonist or antagonist activity on the retinoic acid~~  
~~receptor, in an amount effective to treat said disorder, the treatment of a~~  
~~keratinization disorder comprising administering to an individual in need of said~~  
~~treatment, for such period of time as required to elicit an anti-keritinization effect, a~~  
~~thus effective amount of~~ at least one compound having the formula (I) below:

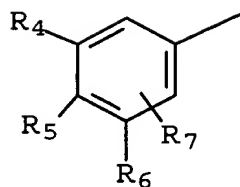


(I)

in which:

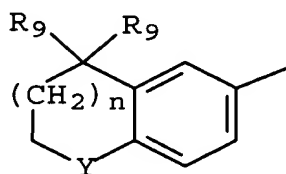
Ar represents

the radical of formula (II) below:



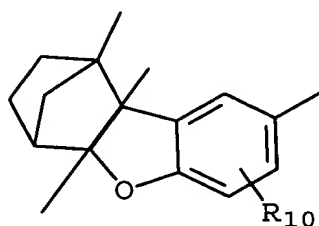
(II)

or the radical of formula (III) below:



(III)

or the radical of formula (IV) below:



(IV)

R<sub>1</sub> represents an atom or a radical selected from the group consisting

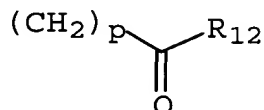
of:

- (i) a -CH<sub>3</sub> radical,

(ii) a radical  $-(CH_2)_p-O-R_{11}$ ,

(iii) a radical  $-OR_{11}$ ,

(iv) a radical



and

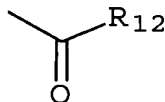
(v) a radical  $-S(O)_tR_{13}$ ,

$R_2$  represents a hydrogen atom, a halogen atom, an alkyl radical or the radical  $-OR_{11}$ ,

$R_3$  represents an atom or a radical selected from the group consisting of:

(i) an atom or a radical selected from the group consisting of a hydrogen atom, an alkyl radical, an alkenyl radical, an alkynyl radical, an aryl radical, a monohydroxyalkyl radical, a polyhydroxyalkyl radical, a polyether radical, a cyano radical and a radical  $-O-R_{11}$ ,

(ii) a radical

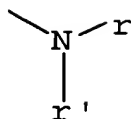


and

(iii) a radical

63  
cont.





$Z_1$  represents O, S or  $NR'$ ,

m is an integer between 0 and 10,

$R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  are identical or different and are selected from the

group consisting of:

- (i) a hydrogen atom,
- (ii) an alkyl radical having at least 4 carbon atoms, wherein the carbon attached to the phenyl radical is substituted with at least two carbon atoms,
- (iii) a cycloalkyl radical,
- (iv) a radical  $-(Z_2)_n-(CH_2)_q-CO-R_{12}$ , and
- (v) a radical  $-Z_3-R_{11}$ ,

wherein at least one of the radicals  $R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  is an alkyl radical as defined in (ii) or a cycloalkyl radical (iii),

$R_8$  and  $R_9$  represent lower alkyl radicals,

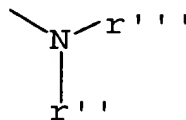
$R_{10}$  represents a lower alkyl radical, a radical  $-OR_{11}$  or a polyether radical,

$R_{11}$  represents a hydrogen atom, a lower alkyl radical, an aryl radical, an aralkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, a polyether radical or a lower acyl radical,

R<sub>12</sub> represents:

(a) a hydrogen atom, an alkynyl radical, an alkenyl radical, an alkyl radical or a heterocycle,

(b) a radical



(c) a radical -OR<sub>13</sub>,

R<sub>13</sub> represents a hydrogen atom, an alkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, an optionally substituted aryl or aralkyl radical or a sugar, amino acid or peptide residue,

R' represents a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue,

r and r', which are identical or different, represent a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

r'' and r''', which are identical or different, represent a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

63  
cont.

Y represents  $C(R_9)_2$ , O, S,  $Nr'$ , CHOH, CO, SO or  $SO_2$ ,

$Z_2$  represents O, S or  $NR'$ ,

$Z_3$  represents O or S,

n is equal to 0 or 1;

p is equal to 0, 1, 2 or 3;

t is equal to 0, 1, 2 or 3; and

q is an integer between 0 and 10,

or a salt or isomer thereof.

G3  
conclude

Claim 71. (Previously Added) A method according to Claim 70, wherein said at least one compound having formula (I) has at least one characteristic selected from the group consisting of:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

Y is a radical  $C(R_9)_2$ , and

m is equal to 1.

Claim 72. (Previously Added) A method according to Claim 70, wherein said at least one compound having formula (I) has all of the following characteristics:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom, and

$Y$  is a radical  $C(R_9)_2$ , and

$m$  is equal to 1.

Claim 73. (Previously Added) A method according to Claim 70, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2*H*-1-benzofuran-5-carboxylate,

3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate.

[3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofur-5-yl]morpholine,

N-4-hydroxyphenyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxamide,

N-butyl-3-methyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2*H*-1-benzofuran-5-carboxamide,

methyl 3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2*H*-1-benzofuran]-6-carboxylate,

3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2*H*-1-benzofuran]-6-carboxylic acid,

methyl 3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylate,



3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-methanol,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carbaldehyde,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2*H*-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-hexyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-methoxycarbonylmethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate, and

3-carboxymethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid.

Claim 74. (Previously Added) A method according to Claim 73, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2H-1-benzofuran-6-carboxylic acid,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid, and

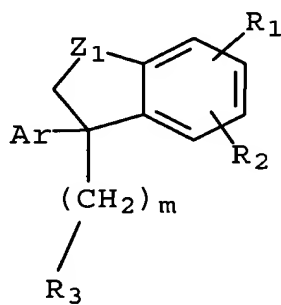
3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid.

Claim 75-79. (Canceled)

CH  
Claim 80. (Currently Amended) A method for ~~inhibiting inflammation in a subject inflicted with inflammation, said method comprising administering to said subject, for a time and under conditions effective to exert an agonist or antagonist activity on the retinoic acid receptor, in an amount effective to treat said inflammation,~~ the treatment of inflammation, comprising administering to an individual in need of said treatment, for such period of time as required to elicit an



anti-inflammatory effect, a thus effective amount of at least one compound having  
the formula (I) below:

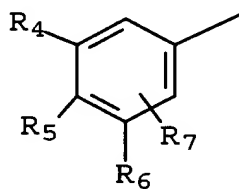


(I)

in which:

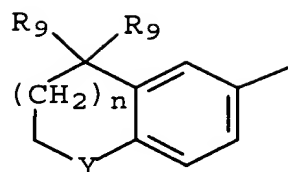
$Ar$  represents

the radical of formula (II) below:



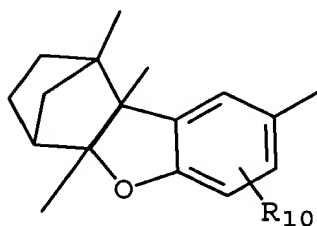
(II)

or the radical of formula (III) below:



(III)

or the radical of formula (IV) below:

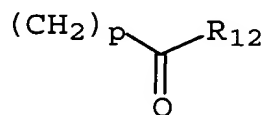


(IV)

$R_1$  represents an atom or a radical selected from the group consisting

of:

- (i) a  $-CH_3$  radical,
- (ii) a radical  $-(CH_2)_p-O-R_{11}$ ,
- (iii) a radical  $-OR_{11}$ ,
- (iv) a radical



and

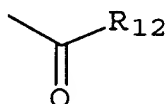
(v) a radical  $-S(O)_t R_{13}$ ,

$R_2$  represents a hydrogen atom, a halogen atom, an alkyl radical or the radical  $-OR_{11}$ ,

$R_3$  represents an atom or a radical selected from the group consisting of:

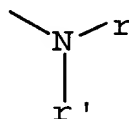
(i) an atom or a radical selected from the group consisting of a hydrogen atom, an alkyl radical, an alkenyl radical, an alkynyl radical, an aryl radical, a monohydroxyalkyl radical, a polyhydroxyalkyl radical, a polyether radical, a cyano radical and a radical  $-O-R_{11}$ ,

(ii) a radical



and

(iii) a radical



$Z_1$  represents O, S or  $NR'$ ,

$m$  is an integer between 0 and 10,

$R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  are identical or different and are selected from the group consisting of:

(i) a hydrogen atom,

64  
cont.

(ii) an alkyl radical having at least 4 carbon atoms, wherein the carbon attached to the phenyl radical is substituted with at least two carbon atoms,

(iii) a cycloalkyl radical,

(iv) a radical  $-(Z_2)_n-(CH_2)_q-CO-R_{12}$ , and

(v) a radical  $-Z_3-R_{11}$ ,

wherein at least one of the radicals  $R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  is an alkyl radical as defined in (ii) or a cycloalkyl radical (iii),

$R_8$  and  $R_9$  represent lower alkyl radicals,

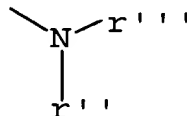
$R_{10}$  represents a lower alkyl radical, a radical  $-OR_{11}$  or a polyether radical,

$R_{11}$  represents a hydrogen atom, a lower alkyl radical, an aryl radical, an aralkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, a polyether radical or a lower acyl radical,

$R_{12}$  represents:

(a) a hydrogen atom, an alkynyl radical, an alkenyl radical, an alkyl radical or a heterocycle,

(b) a radical



(c) a radical  $-OR_{13}$ ,

64  
cont.

$R_{13}$  represents a hydrogen atom, an alkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, an optionally substituted aryl or aralkyl radical or a sugar, amino acid or peptide residue,

*CY*  
*Conclude*  
 $R'$  represents a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue,

$r$  and  $r'$ , which are identical or different, represent a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

$r''$  and  $r'''$ , which are identical or different, represent a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

$Y$  represents  $C(R_9)_2$ , O, S,  $Nr'$ , CHOH, CO, SO or  $SO_2$ ,

$Z_2$  represents O, S or  $NR'$ ,

$Z_3$  represents O or S,

$n$  is equal to 0 or 1;

$p$  is equal to 0, 1, 2 or 3;

$t$  is equal to 0, 1, 2 or 3; and

$q$  is an integer between 0 and 10,

or a salt or isomer thereof.

---

Claim 81. (Previously Added) A method according to Claim 80, wherein said at least one compound having formula (I) has at least one characteristic selected from the group consisting of:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

$Y$  is a radical  $C(R_9)_2$ , and

$m$  is equal to 1.

Claim 82. (Previously Added) A method according to Claim 80, wherein said at least one compound having formula (I) has all of the following characteristics:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

$Y$  is a radical  $C(R_9)_2$ , and

$m$  is equal to 1.

Claim 83. (Previously Added) A method according to Claim 80, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-  
2H-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-  
benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-  
benzofuran-5-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-  
2H-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-  
methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-  
2H-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-  
methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylate,

3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-  
6-carboxylic acid,

methyl 3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-  
benzofuran-6-carboxylate.

[3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-  
benzofur-5-oyl]morpholine,

N-4-hydroxyphenyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-  
methyl-2H-1-benzofuran-5-carboxamide,



N-butyl-3-methyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-5-carboxamide,  
methyl 3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2H-1-benzofuran]-6-carboxylate,  
3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2H-1-benzofuran]-6-carboxylic acid,  
methyl 3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-6-carboxylate,  
3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-6-carboxylic acid,  
methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2H-1-benzofuran-6-carboxylate,  
3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2H-1-benzofuran-6-carboxylic acid,  
3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-5-methanol,  
3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-5-carbaldehyde,  
methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-5-carboxylate,  
methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-5-carboxylate,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-6-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-6-carboxylate,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2H-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2H-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-hexyl-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methoxycarbonylmethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylate, and

3-carboxymethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid.

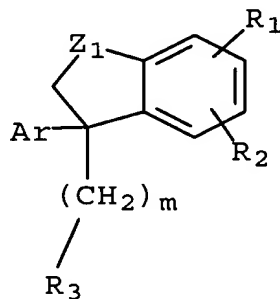
Claim 84. (Previously Added) A method according to Claim 83, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2H-1-benzofuran-6-carboxylic acid,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid, and

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid.

65  
Claim 85. (Currently Amended) A method for ~~inhibiting light-induced or~~  
~~chronological aging of the skin in a subject inflicted with light-induced or~~  
~~chronological aging of the skin, said method comprising administering to said~~  
~~subject, for a time and under conditions effective to exert an agonist or antagonist~~  
~~activity on the retinoic acid receptor, in an amount effective to treat said aging of the~~  
skin; the treatment of light-induced or chronological aging of the skin, comprising  
administering to an individual in need of said treatment, for such period of time as  
required to reduce effects of light-induced or chronological aging of the skin, a thus  
effective amount of at least one compound having the formula (I) below:

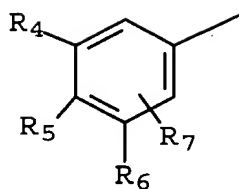


(I)

in which:

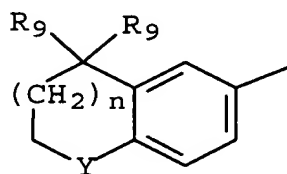
$Ar$  represents

the radical of formula (II) below:



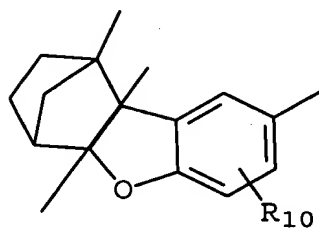
(II)

or the radical of formula (III) below:



(III)

or the radical of formula (IV) below:



(IV)

R<sub>1</sub> represents an atom or a radical selected from the group consisting

of:

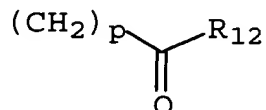
- (i) a -CH<sub>3</sub> radical,

GS  
cont.

(ii) a radical  $-(CH_2)_p-O-R_{11}$ ,

(iii) a radical  $-OR_{11}$ ,

(iv) a radical



and

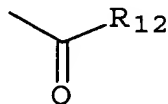
(v) a radical  $-S(O)_tR_{13}$ ,

$R_2$  represents a hydrogen atom, a halogen atom, an alkyl radical or the radical  $-OR_{11}$ ,

$R_3$  represents an atom or a radical selected from the group consisting of:

(i) an atom or a radical selected from the group consisting of a hydrogen atom, an alkyl radical, an alkenyl radical, an alkynyl radical, an aryl radical, a monohydroxyalkyl radical, a polyhydroxyalkyl radical, a polyether radical, a cyano radical and a radical  $-O-R_{11}$ ,

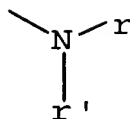
(ii) a radical



and

(iii) a radical

GS  
cont.



*65 Cont.*  
Z<sub>1</sub> represents O, S or NR',

m is an integer between 0 and 10,

R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> are identical or different and are selected from the group consisting of:

- (i) a hydrogen atom,
- (ii) an alkyl radical having at least 4 carbon atoms, wherein the carbon attached to the phenyl radical is substituted with at least two carbon atoms,
- (iii) a cycloalkyl radical,
- (iv) a radical -(Z<sub>2</sub>)<sub>n</sub>-(CH<sub>2</sub>)<sub>q</sub>-CO-R<sub>12</sub>, and
- (v) a radical -Z<sub>3</sub>-R<sub>11</sub>,

wherein at least one of the radicals R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> is an alkyl radical as defined in (ii) or a cycloalkyl radical (iii),

R<sub>8</sub> and R<sub>9</sub> represent lower alkyl radicals,

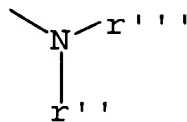
R<sub>10</sub> represents a lower alkyl radical, a radical -OR<sub>11</sub> or a polyether radical,

R<sub>11</sub> represents a hydrogen atom, a lower alkyl radical, an aryl radical, an aralkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, a polyether radical or a lower acyl radical,

$R_{12}$  represents:

(a) a hydrogen atom, an alkynyl radical, an alkenyl radical, an alkyl radical or a heterocycle,

(b) a radical



(c) a radical  $-OR_{13}$ ,

$R_{13}$  represents a hydrogen atom, an alkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, an optionally substituted aryl or aralkyl radical or a sugar, amino acid or peptide residue,

$R'$  represents a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue,

$r$  and  $r'$ , which are identical or different, represent a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

$r''$  and  $r'''$ , which are identical or different, represent a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

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conf.

Y represents  $C(R_9)_2$ , O, S,  $Nr'$ , CHOH, CO, SO or  $SO_2$ ,

$Z_2$  represents O, S or  $NR'$ ,

$Z_3$  represents O or S,

n is equal to 0 or 1;

p is equal to 0, 1, 2 or 3;

t is equal to 0, 1, 2 or 3; and

q is an integer between 0 and 10,

or a salt or isomer thereof.

G5  
Conclude

---

Claim 86. (Previously Added) A method according to Claim 85, wherein said at least one compound having formula (I) has at least one characteristic selected from the group consisting of:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

Y is a radical  $C(R_9)_2$ , and

m is equal to 1.



Claim 87. (Previously Added) A method according to Claim 85, wherein said at least one compound having formula (I) has all of the following characteristics:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

$Y$  is a radical  $C(R_9)_2$ , and

$m$  is equal to 1.

Claim 88. (Previously Added) A method according to Claim 85, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2*H*-1-benzofuran-5-carboxylate,

3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate.

[3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofur-5-oyl]morpholine,

N-4-hydroxyphenyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxamide,

N-butyl-3-methyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2*H*-1-benzofuran-5-carboxamide,

methyl 3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2*H*-1-benzofuran]-6-carboxylate,

3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2*H*-1-benzofuran]-6-carboxylic acid,

methyl 3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-methanol,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carbaldehyde,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2*H*-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-hexyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-methoxycarbonylmethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate, and

3-carboxymethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid.

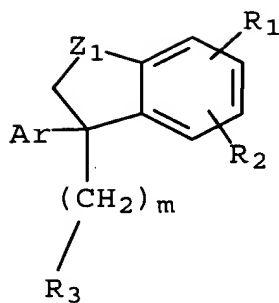
Claim 89. (Previously Added) A method according to Claim 88, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2H-1-benzofuran-6-carboxylic acid,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid, and

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid.

66  
Claim 90. (Currently Amended) A method for inhibiting dermal atrophy induced by local or systemic corticosteroids in a subject inflicted with dermal atrophy induced by local or systemic corticosteroids, said method comprising administering to said subject, for a time and under conditions effective to exert an agonist or antagonist activity on the retinoic acid receptor, in an amount effective to treat said dermal atrophy, the treatment of dermal atrophy, comprising administering to an individual in need of said treatment, for such period of time as required to elicit a dermal atrophy inhibiting effect, a thus effective amount of at least one compound having the formula (I) below:

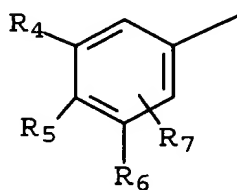


(I)

in which:

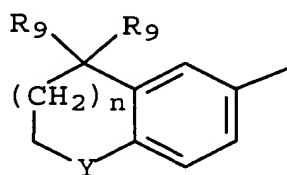
Ar represents

the radical of formula (II) below:



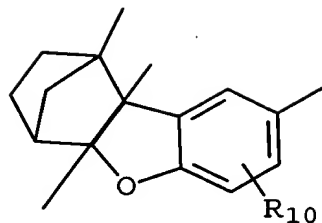
(II)

or the radical of formula (III) below:



(III)

or the radical of formula (IV) below:

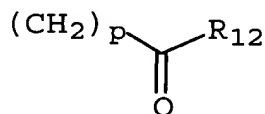


(IV)

$R_1$  represents an atom or a radical selected from the group consisting

of:

- (i) a  $-CH_3$  radical,
- (ii) a radical  $-(CH_2)_p-O-R_{11}$ ,
- (iii) a radical  $-OR_{11}$ ,
- (iv) a radical



and

- (v) a radical  $-S(O)_iR_{13}$ ,

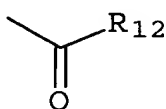
$R_2$  represents a hydrogen atom, a halogen atom, an alkyl radical or the radical  $-OR_{11}$ ,

$R_3$  represents an atom or a radical selected from the group consisting

of:

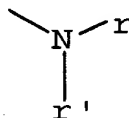
(i) an atom or a radical selected from the group consisting of a hydrogen atom, an alkyl radical, an alkenyl radical, an alkynyl radical, an aryl radical, a monohydroxyalkyl radical, a polyhydroxyalkyl radical, a polyether radical, a cyano radical and a radical  $-O-R_{11}$ ,

(ii) a radical



and

(iii) a radical



$Z_1$  represents O, S or  $\text{NR}'$ ,

m is an integer between 0 and 10,

$R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  are identical or different and are selected from the group consisting of:

- (i) a hydrogen atom,
- (ii) an alkyl radical having at least 4 carbon atoms, wherein the carbon attached to the phenyl radical is substituted with at least two carbon atoms,
- (iii) a cycloalkyl radical,
- (iv) a radical  $-(Z_2)_n-(\text{CH}_2)_q-\text{CO}-R_{12}$ , and
- (v) a radical  $-Z_3-R_{11}$ ,

64  
cont.



wherein at least one of the radicals  $R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  is an alkyl radical as defined in (ii) or a cycloalkyl radical (iii),

$R_8$  and  $R_9$  represent lower alkyl radicals,

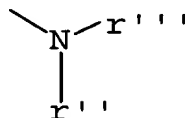
$R_{10}$  represents a lower alkyl radical, a radical  $-OR_{11}$  or a polyether radical,

$R_{11}$  represents a hydrogen atom, a lower alkyl radical, an aryl radical, an aralkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, a polyether radical or a lower acyl radical,

$R_{12}$  represents:

(a) a hydrogen atom, an alkynyl radical, an alkenyl radical, an alkyl radical or a heterocycle,

(b) a radical



(c) a radical  $-OR_{13}$ ,

$R_{13}$  represents a hydrogen atom, an alkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, an optionally substituted aryl or aralkyl radical or a sugar, amino acid or peptide residue,

$R'$  represents a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue,

$r$  and  $r'$ , which are identical or different, represent a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

$r''$  and  $r'''$ , which are identical or different, represent a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

$Y$  represents  $C(R_9)_2$ , O, S,  $Nr'$ , CHOH, CO, SO or  $SO_2$ ,

$Z_2$  represents O, S or  $NR'$ ,

$Z_3$  represents O or S,

$n$  is equal to 0 or 1;

$p$  is equal to 0, 1, 2 or 3;

$t$  is equal to 0, 1, 2 or 3; and

$q$  is an integer between 0 and 10,

or a salt or isomer thereof.

Claim 91. (Previously Added) A method according to Claim 90, wherein said at least one compound having formula (I) has at least one characteristic selected from the group consisting of:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

*Go conclude*  
R<sub>3</sub> is hydrogen or an alkenyl radical,

R<sub>5</sub> or R<sub>6</sub> is a radical -OR<sub>11</sub>,

R<sub>7</sub> is a cycloalkyl radical,

Z<sub>1</sub> is an oxygen atom,

Y is a radical C(R<sub>9</sub>)<sub>2</sub>, and

m is equal to 1.

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Claim 92. (Previously Added) A method according to Claim 90, wherein said at least one compound having formula (I) has all of the following characteristics:

R<sub>1</sub> is a radical -(CH<sub>2</sub>)<sub>p</sub>-CO-O-R<sub>13</sub>,

R<sub>2</sub> is hydrogen,

R<sub>3</sub> is hydrogen or an alkenyl radical,

R<sub>5</sub> or R<sub>6</sub> is a radical -OR<sub>11</sub>,

R<sub>7</sub> is a cycloalkyl radical,

Z<sub>1</sub> is an oxygen atom,

Y is a radical C(R<sub>9</sub>)<sub>2</sub>, and

m is equal to 1.

Claim 93. (Previously Added) A method according to Claim 90, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylate,

3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate.

[3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofur-5-oyl]morpholine,

N-4-hydroxyphenyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-5-carboxamide,

N-butyl-3-methyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-5-carboxamide,

methyl 3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2H-1-benzofuran]-6-carboxylate,

3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2*H*-1-benzofuran]-6-carboxylic acid,

methyl 3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-methanol,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carbaldehyde,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2H-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2H-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-hexyl-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methoxycarbonylmethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylate, and

3-carboxymethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid.

Claim 94. (Previously Added) A method according to Claim 93, wherein said at least one compound having formula (I) is selected from the group consisting of:

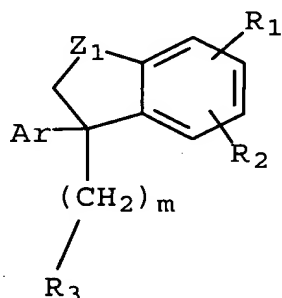
3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2H-1-benzofuran-6-carboxylic acid,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid, and

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid.

67  
Claim 95. (Currently Amended) A method for ~~inhibiting a cicatrization~~

~~disorder in a subject inflicted with a cicatrization disorder, said method comprising administering to said subject, for a time and under conditions effective to exert an agonist or antagonist activity on the retinoic acid receptor, in an amount effective to treat said disorder, the treatment of a cicatrization disorder, comprising administering to an individual in need of said treatment, for such period of time as required to elicit a cicatrization-lessening effect, a thus effective amount of at least one compound having the formula (I) below:~~



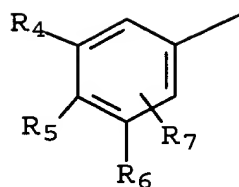
(I)

in which:

Ar represents

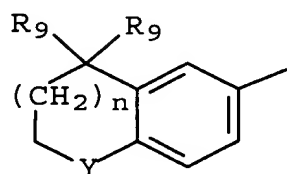
the radical of formula (II) below:





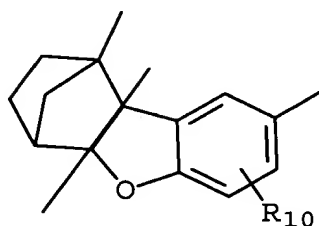
(II)

or the radical of formula (III) below:



(III)

or the radical of formula (IV) below:



(IV)

R<sub>1</sub> represents an atom or a radical selected from the group consisting

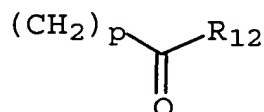
of:

- (i) a -CH<sub>3</sub> radical,

(ii) a radical  $-(CH_2)_p-O-R_{11}$ ,

(iii) a radical  $-OR_{11}$ ,

(iv) a radical



and

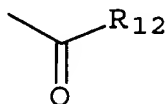
(v) a radical  $-S(O)_lR_{13}$ ,

$R_2$  represents a hydrogen atom, a halogen atom, an alkyl radical or the radical  $-OR_{11}$ ,

$R_3$  represents an atom or a radical selected from the group consisting of:

(i) an atom or a radical selected from the group consisting of a hydrogen atom, an alkyl radical, an alkenyl radical, an alkynyl radical, an aryl radical, a monohydroxyalkyl radical, a polyhydroxyalkyl radical, a polyether radical, a cyano radical and a radical  $-O-R_{11}$ ,

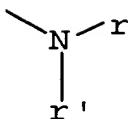
(ii) a radical



and

(iii) a radical

G2  
 Conf.



$Z_1$  represents O, S or  $NR'$ ,

$m$  is an integer between 0 and 10,

$R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  are identical or different and are selected from the group consisting of:

- (i) a hydrogen atom,
- (ii) an alkyl radical having at least 4 carbon atoms, wherein the carbon attached to the phenyl radical is substituted with at least two carbon atoms,
- (iii) a cycloalkyl radical,
- (iv) a radical  $-(Z_2)_n-(CH_2)_q-CO-R_{12}$ , and
- (v) a radical  $-Z_3-R_{11}$ ,

wherein at least one of the radicals  $R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  is an alkyl radical as defined in (ii) or a cycloalkyl radical (iii),

$R_8$  and  $R_9$  represent lower alkyl radicals,

$R_{10}$  represents a lower alkyl radical, a radical  $-OR_{11}$  or a polyether radical,

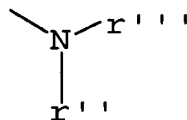
$R_{11}$  represents a hydrogen atom, a lower alkyl radical, an aryl radical, an aralkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, a polyether radical or a lower acyl radical,

67  
Cont.

$R_{12}$  represents:

(a) a hydrogen atom, an alkynyl radical, an alkenyl radical, an alkyl radical or a heterocycle,

(b) a radical



(c) a radical  $-OR_{13}$ ,

$R_{13}$  represents a hydrogen atom, an alkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, an optionally substituted aryl or aralkyl radical or a sugar, amino acid or peptide residue,

$R'$  represents a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue,

$r$  and  $r'$ , which are identical or different, represent a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

$r''$  and  $r'''$ , which are identical or different, represent a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

Y represents  $C(R_9)_2$ , O, S,  $Nr'$ , CHOH, CO, SO or  $SO_2$ ,

$Z_2$  represents O, S or  $NR'$ ,

$Z_3$  represents O or S,

n is equal to 0 or 1;

p is equal to 0, 1, 2 or 3;

t is equal to 0, 1, 2 or 3; and

q is an integer between 0 and 10,

or a salt or isomer thereof.

67  
Conclude

---

Claim 96. (Previously Added) A method according to Claim 95, wherein said at least one compound having formula (I) has at least one characteristic selected from the group consisting of:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

Y is a radical  $C(R_9)_2$ , and

m is equal to 1.

Claim 97. (Previously Added) A method according to Claim 95, wherein said at least one compound having formula (I) has all of the following characteristics:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

$Y$  is a radical  $C(R_9)_2$ , and

$m$  is equal to 1.

Claim 98. (Previously Added) A method according to Claim 95, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,  
methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate,  
3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,  
methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate,  
3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid,  
methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,  
3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid,  
methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,  
3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylic acid,  
methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylate,  
3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylate,

3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate.

[3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofur-5-oyl]morpholine,

N-4-hydroxyphenyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-5-carboxamide,

N-butyl-3-methyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-5-carboxamide,

methyl 3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2H-1-benzofuran]-6-carboxylate,

3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2H-1-benzofuran]-6-carboxylic acid,

methyl 3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-6-carboxylate,

3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-6-carboxylic acid,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-tert-butyl-4-hydroxybenzyl)-2H-1-benzofuran-6-carboxylate,



3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-methanol,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carbaldehyde,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2*H*-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-hexyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-methoxycarbonylmethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate, and

3-carboxymethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid.

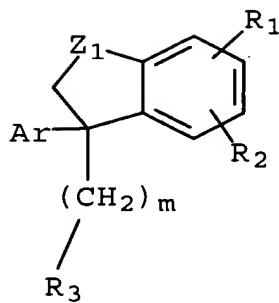
Claim 99. (Previously Added) A method according to Claim 98, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2H-1-benzofuran-6-carboxylic acid,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid, and

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid.

68  
Claim 100. (Currently Amended) A method for ~~inhibiting alopecia in a~~  
~~subject inflicted with alopecia, said method comprising administering to said subject,~~  
~~for a time and under conditions effective to exert an agonist or antagonist activity on~~  
~~the retinoic acid receptor, in an amount effective to treat said alopecia, the treatment~~  
~~of alopecia, comprising of administering to an individual in need of said treatment,~~  
~~for such period of time as required to elicit hair growth, a thus effective amount of at~~  
least one compound having the formula (I) below:

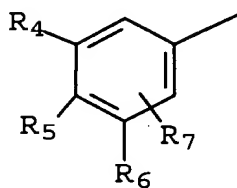


(I)

GG  
Cond.  
in which:

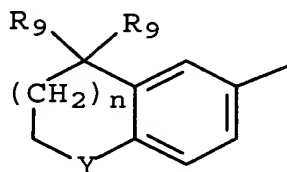
$Ar$  represents

the radical of formula (II) below:



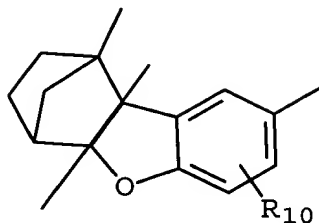
(II)

or the radical of formula (III) below:



(III)

or the radical of formula (IV) below:

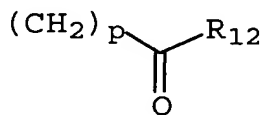


(IV)

R<sub>1</sub> represents an atom or a radical selected from the group consisting

of:

- (i) a -CH<sub>3</sub> radical,
- (ii) a radical -(CH<sub>2</sub>)<sub>p</sub>-O-R<sub>11</sub>,
- (iii) a radical -OR<sub>11</sub>,
- (iv) a radical



and

- (v) a radical -S(O)<sub>t</sub>R<sub>13</sub>,

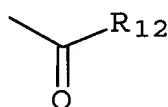
R<sub>2</sub> represents a hydrogen atom, a halogen atom, an alkyl radical or the radical -OR<sub>11</sub>,

R<sub>3</sub> represents an atom or a radical selected from the group consisting

of:

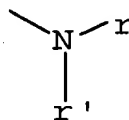
(i) an atom or a radical selected from the group consisting of a hydrogen atom, an alkyl radical, an alkenyl radical, an alkynyl radical, an aryl radical, a monohydroxyalkyl radical, a polyhydroxyalkyl radical, a polyether radical, a cyano radical and a radical  $-O-R_{11}$ ,

(ii) a radical



and

(iii) a radical



$Z_1$  represents O, S or  $NR'$ ,

$m$  is an integer between 0 and 10,

$R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  are identical or different and are selected from the group consisting of:

- (i) a hydrogen atom,
- (ii) an alkyl radical having at least 4 carbon atoms, wherein the carbon attached to the phenyl radical is substituted with at least two carbon atoms,
- (iii) a cycloalkyl radical,
- (iv) a radical  $-(Z_2)_n-(CH_2)_q-CO-R_{12}$ , and
- (v) a radical  $-Z_3-R_{11}$ ,

wherein at least one of the radicals  $R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  is an alkyl radical as defined in (ii) or a cycloalkyl radical (iii),

$R_8$  and  $R_9$  represent lower alkyl radicals,

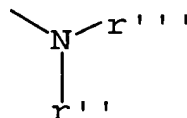
$R_{10}$  represents a lower alkyl radical, a radical  $-OR_{11}$  or a polyether radical,

$R_{11}$  represents a hydrogen atom, a lower alkyl radical, an aryl radical, an aralkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, a polyether radical or a lower acyl radical,

$R_{12}$  represents:

(a) a hydrogen atom, an alkynyl radical, an alkenyl radical, an alkyl radical or a heterocycle,

(b) a radical



(c) a radical  $-OR_{13}$ ,

$R_{13}$  represents a hydrogen atom, an alkyl radical, a monohydroxyalkyl or polyhydroxyalkyl radical, an optionally substituted aryl or aralkyl radical or a sugar, amino acid or peptide residue,

$R'$  represents a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue,

CG  
Conclude  
r and r', which are identical or different, represent a protecting group for an amine function, a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

r'' and r''', which are identical or different, represent a hydrogen atom, a lower alkyl radical, a polyether radical, an optionally substituted aryl radical or an amino acid, peptide or sugar residue, or alternatively, taken together, form a heterocycle,

Y represents  $C(R_9)_2$ , O, S,  $Nr'$ , CHOH, CO, SO or  $SO_2$ ,

$Z_2$  represents O, S or  $NR'$ ,

$Z_3$  represents O or S,

n is equal to 0 or 1;

p is equal to 0, 1, 2 or 3;

t is equal to 0, 1, 2 or 3; and

q is an integer between 0 and 10,

or a salt or isomer thereof.

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Claim 101. (Previously Added) A method according to Claim 100, wherein said at least one compound having formula (I) has at least one characteristic selected from the group consisting of:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

$Y$  is a radical  $C(R_9)_2$ , and

$m$  is equal to 1.

Claim 102. (Previously Added) A method according to Claim 100, wherein said at least one compound having formula (I) has all of the following characteristics:

$R_1$  is a radical  $-(CH_2)_p-CO-O-R_{13}$ ,

$R_2$  is hydrogen,

$R_3$  is hydrogen or an alkenyl radical,

$R_5$  or  $R_6$  is a radical  $-OR_{11}$ ,

$R_7$  is a cycloalkyl radical,

$Z_1$  is an oxygen atom,

$Y$  is a radical  $C(R_9)_2$ , and

$m$  is equal to 1.

Claim 103. (Previously Added) A method according to Claim 100, wherein said at least one compound having formula (I) is selected from the group consisting of:



3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-6-carboxylate,

3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-(propen-2-yl)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-5-carboxylate,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2*H*-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-6-carboxylate,

3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylic acid,

methyl 3-methyl-3-(1,2,3,4-tetrahydro-1,4a,9b-trimethyl-1,4-methanodibenzofur-8-yl)-2H-1-benzofuran-5-carboxylate,

3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid,

methyl 3-allyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylate.

[3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofur-5-oyl]morpholine,

N-4-hydroxyphenyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2H-1-benzofuran-5-carboxamide,

N-butyl-3-methyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-5-carboxamide,

methyl 3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2H-1-benzofuran]-6-carboxylate,

3-[4-(1-adamantyl)-3-methoxyphenyl-3-methyl-2*H*-1-benzofuran]-6-carboxylic acid,

methyl 3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

3-(3-methyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylic acid,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(3,5-di-*tert*-butyl-4-hydroxybenzyl)-2*H*-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-methanol,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carbaldehyde,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-5-carboxylate,

methyl (-)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl (+)-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-methyl-2*H*-1-benzofuran-6-carboxylate,

methyl 3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2H-1-benzofuran-6-carboxylate,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-(2-hexenyl)-2H-1-benzofuran-6-carboxylic acid,

3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-3-hexyl-2H-1-benzofuran-6-carboxylic acid,

methyl 3-methoxycarbonylmethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylate, and

3-carboxymethyl-3-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid.

Claim 104. (Previously Added) A method according to Claim 103, wherein said at least one compound having formula (I) is selected from the group consisting of:

3-[3-(1-adamantyl)-4-methoxyphenyl]-3-methyl-2H-1-benzofuran-6-carboxylic acid,

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-6-carboxylic acid, and

3-methyl-3-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthyl)-2H-1-benzofuran-5-carboxylic acid.

69  
Claim 105. (New) The method of claim 65, wherein the disorder of proliferation of dermal or epidermal cells is selected from the group consisting of common warts, flat warts, verruciform epidermodysplasia, oral papillomatosis, florid papillomatosis, basocellular epithelioma, and spinocellular epithelioma.

Claim 106. (New) The method of claim 70, wherein the keratinization disorder is selected from the group consisting of common acne, comedones, polymorphonuclear leukocytes, acne rosacea, nodulocyste acne, acne conglobata, senile acne, and secondary acne.

Claim 107. (New) The method of claim 106, wherein the secondary acne is selected from the group consisting of solar acne, medication-induced acne, and occupational acne.

Claim 108. (New) The method of claim 80, wherein the inflammation is caused by cutaneous, mucous or ungual psoriasis, psoriatic rheumatism, and cutaneous atopy.

Claim 109. (New) The method of claim 108, wherein the cutaneous atopy is selected from the group consisting of eczema, respiratory atopy and gingival hypertrophy.